

Appl. No. 09/900,469
Amdt. dated February 22, 2005
Reply to Office action of November 19, 2004

Amendments to the Abstract

A chemical hydride hydrogen generation system ~~and an energy system incorporating the same are provided.~~ The hydrogen generation system comprises: has a storage tank for storing a chemical hydride solution~~[-]~~ and a reactor containing a catalyst~~[-]~~, a A pump ~~for supplying~~ supplies the chemical hydride solution from the said storage ~~means~~ tank to the reactor so that the chemical hydride solution reacts to generate hydrogen in the presence of the catalyst~~[-]~~, and a second supply line ~~for continuously supplying~~ supplies the solvent of the solution to the chemical hydride solution during the reaction. The ~~energy system comprises the~~ hydrogen generation system, a fuel cell for generating electricity and water from hydrogen and an oxidant, and a separator for recovering the water generated in the fuel cell and supplying the water to the chemical hydride solution during the reaction, together form an energy system.